

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	571	208/15.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/20 11:07
L4	726	585/14.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/20 11:08
L5	1210	I3 or I4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/20 11:08
L6	90	I5 and diesel with blend	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/20 11:09
L7	40	I5 and Fischer-Tropsch and diesel with blend	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/20 11:09
S1	547	208/58.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 16:38
S2	1655	208/58,78,80.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 16:40
S3	17	US-4615789-\$.DID. OR US-6017443-\$.DID. OR US-5378348-\$.DID. OR US-5645613-\$.DID. OR US-5689031-\$.DID. OR US-5766274-\$.DID. OR US-6043288-\$.DID. OR US-6296757-\$.DID. OR US-6333294-\$.DID. OR US-6402989-\$.DID. OR US-4851109-\$.DID. OR US-5603824-\$.DID. OR US-6299759-\$.DID. OR US-6359018-\$.DID. OR US-6589415-\$.DID. OR US-6656342-\$.DID. OR US-6583186-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/14 11:21

## EAST Search History

S4	561	("1930716"   "2243760"   "2251554"   "2482866"   "2512608"   "2562980"   "2567259"   "2606862"   "2609382"   "2668790"   "2668866"   "2756183"   "2779713"   "2817693"   "2838444"   "2888501"   "2892003"   "2906688"   "2914464"   "2952626"   "2982802"   "2993938"   "3002827"   "3017345"   "3052622"   "3078323"   "3091586"   "3112256"   "3121696"   "3123573"   "3125511"   "3147210"   "3172836"   "3206525"   "3248316"   "3253055"   "3268436"   "3268439"   "3308052"   "3314878"   "3328290"   "3328292"   "3338843"   "3340180"   "3362378"   "3365390"   "3389965"   "3395981"   "3404086"   "3471399"   "3486993"   "3487005"   "3507776"   "3530061"   "3594307"   "3600299"   "3607729"   "3617498"   "3617525"   "3619408"   "3619412"   "3620960"   "3629096"   "3630885"   "3647678"   "3649523"   "3650945"   "3654133"   "3658611"   "3658689"   "3660058"   "3668112"   "3668113"   "3674681"   "3681232"   "3684695"   "3692695"   "3692697"   "3709817"   "3711399"   "3717586"   "3725302"   "3728249"   "3730876"   "3761388"   "3767562"   "3770618"   "3775291"   "3794580"   "3799887"   "3814682"   "3830723"   "3830728"   "3830731"   "3840508"   "3840614"   "3843509"   "3843746"   "3848018"   "3852186"   "3852207"   "3859202"   "3861005"   "3864425"   "3870622"   "3876522"   "3887455"   "3890113"   "3894938"   "3902991"   "3915843"   "3928178"   "3932552"   "3957625"   "3963601"   "3976560"   "3977961"   "3977962"   "3979279"   "3981793"   "4010008"   "4014821"   "4021330"   "4032304"   "4032474") .PN. OR ("4034060"   "4041095"   "4042490"   "4049741"   "4051021"   "4059648"   "4067797"   "4073718"   "4075122"   "4087252"   "4087349"   "4088671"   "4092238"   "4094821"   "4125566" "4139494"   "4162962"   "4173528"   "4173529"   "4186078" "4211634"   "4211635"   "4211771"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/13 16:44
6/20/2006 12:00:34 PM		C:\Documents and Settings\Douglas W. Documents\EAST\Workspaces\10802974.wsp				Page 2

## EAST Search History

S5	0	S3 and synthesis adj gas with fractionat\$4 with heavy with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 16:58
S6	0	S4 and synthesis adj gas with fractionat\$4 with heavy with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 16:58
S7	0	S3 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with heavy with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 17:00
S8	3	S3 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 17:16
S9	3	S3 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with heavy	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 17:00
S10	36	S4 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 17:17
S11	9	S4 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with heavy with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 17:19
S12	0	S4 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with intermediate with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 17:19
S13	1	S2 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with intermediate with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 17:19
S14	0	S1 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with intermediate with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 17:19
S15	5	S1 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with middle with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 17:20
S16	0	S3 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with middle with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 17:20
S17	6	S2 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with middle with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/14 11:25

## EAST Search History

S18	3	S4 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with middle with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 17:20
S19	28	US-4615789-\$.DID. OR US-6017443-\$.DID. OR US-5378348-\$.DID. OR US-5645613-\$.DID. OR US-5689031-\$.DID. OR US-5766274-\$.DID. OR US-6043288-\$.DID. OR US-6296757-\$.DID. OR US-6333294-\$.DID. OR US-6402989-\$.DID. OR US-4851109-\$.DID. OR US-5603824-\$.DID. OR US-6299759-\$.DID. OR US-6359018-\$.DID. OR US-6589415-\$.DID. OR US-6656342-\$.DID. OR US-6583186-\$.DID. OR US-3240694-\$.DID. OR US-3243367-\$.DID. OR US-3260663-\$.DID. OR US-3579435-\$.DID. OR US-5904835-\$.DID. OR US-6113775-\$.DID. OR US-6689273-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/14 11:23

## EAST Search History

S20	628	("1347544"   "1930716"   "1942120"   "2243760"   "2251554"   "2340814"   "2373888"   "2387477"   "2440822"   "2482866"   "2512608"   "2562980"   "2567259"   "2606862"   "2609382"   "2668790"   "2668866"   "2671754"   "2756183"   "2779713"   "2817693"   "2838444"   "2888501"   "2892003"   "2906688"   "2914464"   "2952626"   "2982802"   "2993938"   "3002827"   "3017345"   "3047490"   "3052622"   "3078323"   "3089843"   "3091586"   "3112256"   "3121696"   "3123573"   "3125511"   "3147210"   "3172836"   "3206525"   "3240694"   "3243367"   "3248316"   "3253055"   "3260663"   "3265610"   "3267021"   "3268436"   "3268439"   "3308052"   "3314878"   "3328290"   "3328292"   "3338819"   "3338843"   "3340180"   "3362378"   "3365390"   "3389965"   "3395981"   "3404086"   "3429801"   "3471399"   "3486993"   "3487005"   "3507776"   "3530061"   "3579435"   "3594307"   "3600299"   "3607729"   "3617498"   "3617525"   "3619408"   "3619412"   "3620960"   "3629096"   "3630885"   "3647678"   "3649518"   "3649523"   "3650945"   "3654133"   "3658611"   "3658689"   "3660058"   "3668112"   "3668113"   "3674681"   "3681232"   "3684695"   "3692695"   "3692697"   "3709817"   "3711399"   "3717586"   "3725302"   "3728249"   "3730876"   "3761388"   "3767562"   "3770618"   "3775291"   "3788976"   "3794580"   "3799887"   "3814682"   "3830723"   "3830728"   "3830731"   "3840508"   "3840614"   "3843509"   "3843746"   "3848018"   "3852186"   "3852207"   "3859202"   "3859203"   "3861005"   "3864425"   "3870622") .PN. OR ("3876522"   "3887455"   "3890113"   "3894938"   "3902991"   "3915843"   "3928178"   "3932552"   "3957625"   "3963601"   "3976560"   "3977961"   "3977962"   "3979279"   "3981793"   "4010008"   "4014821"   "4021330"   "4032304"   "4032474"   "4034060"   "4041005"   "4047400"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 11:23
6/20/2006 12:00:34 PM		C:\Documents and Settings\Douglas My Documents\EAST\Workspaces\10802974.wsp				Page 5

## EAST Search History

S21	0	S19 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with (middle or intermediate) with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/14 11:26
S22	3	S20 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with (middle or intermediate) with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/14 11:27
S23	1655	208/58,78,80.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/14 11:27
S24	7	S23 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distill\$5 or fractionat\$4) with (middle or intermediate) with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/14 13:19
S25	28	US-4615789-\$.DID. OR US-6017443-\$.DID. OR US-5378348-\$.DID. OR US-5645613-\$.DID. OR US-5689031-\$.DID. OR US-5766274-\$.DID. OR US-6043288-\$.DID. OR US-6296757-\$.DID. OR US-6333294-\$.DID. OR US-6402989-\$.DID. OR US-4851109-\$.DID. OR US-5603824-\$.DID. OR US-6299759-\$.DID. OR US-6359018-\$.DID. OR US-6589415-\$.DID. OR US-6656342-\$.DID. OR US-6583186-\$.DID. OR US-3240694-\$.DID. OR US-3243367-\$.DID. OR US-3260663-\$.DID. OR US-3579435-\$.DID. OR US-5904835-\$.DID. OR US-6113775-\$.DID. OR US-6689273-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/14 13:50

## EAST Search History

S26	628	("1347544"   "1930716"   "1942120"   "2243760"   "2251554"   "2340814"   "2373888"   "2387477"   "2440822"   "2482866"   "2512608"   "2562980"   "2567259"   "2606862"   "2609382"   "2668790"   "2668866"   "2671754"   "2756183"   "2779713"   "2817693"   "2838444"   "2888501"   "2892003"   "2906688"   "2914464"   "2952626"   "2982802"   "2993938"   "3002827"   "3017345"   "3047490"   "3052622"   "3078323"   "3089843"   "3091586"   "3112256"   "3121696"   "3123573"   "3125511"   "3147210"   "3172836"   "3206525"   "3240694"   "3243367"   "3248316"   "3253055"   "3260663"   "3265610"   "3267021"   "3268436"   "3268439"   "3308052"   "3314878"   "3328290"   "3328292"   "3338819"   "3338843"   "3340180"   "3362378"   "3365390"   "3389965"   "3395981"   "3404086"   "3429801"   "3471399"   "3486993"   "3487005"   "3507776"   "3530061"   "3579435"   "3594307"   "3600299"   "3607729"   "3617498"   "3617525"   "3619408"   "3619412"   "3620960"   "3629096"   "3630885"   "3647678"   "3649518"   "3649523"   "3650945"   "3654133"   "3658611"   "3658689"   "3660058"   "3668112"   "3668113"   "3674681"   "3681232"   "3684695"   "3692695"   "3692697"   "3709817"   "3711399"   "3717586"   "3725302"   "3728249"   "3730876"   "3761388"   "3767562"   "3770618"   "3775291"   "3788976"   "3794580"   "3799887"   "3814682"   "3830723"   "3830728"   "3830731"   "3840508"   "3840614"   "3843509"   "3843746"   "3848018"   "3852186"   "3852207"   "3859202"   "3859203"   "3861005"   "3864425"   "3870622"   "3870622".PN. OR ("3876522"   "3887455"   "3890113"   "3894938"   "3902991"   "3915843"   "3928178"   "3932552"   "3957625"   "3963601"   "3976560"   "3977961"   "3977962"   "3979279"   "3981793"   "4010008"   "4014821"   "4021330"   "4032304"   "4032474"   "4044060"   "4044065"   "4047400"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 13:18
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## EAST Search History

S27	1655	208/58,78,80.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/14 13:18
S28	2173	(S27 or S25 or S26)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/14 13:19
S29	8	S28 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distillat\$4 or fractionat\$4) with (middle or intermediate) with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/14 13:20
S30	53	S28 and (synthesis adj gas or F-T or Fischer-Tropsch) with (separat\$4 or distillat\$4 or fractionat\$4) with hydrocrack\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/14 13:20
S31	17	US-4615789-\$.DID. OR US-6017443-\$.DID. OR US-5378348-\$.DID. OR US-5645613-\$.DID. OR US-5689031-\$.DID. OR US-5766274-\$.DID. OR US-6043288-\$.DID. OR US-6296757-\$.DID. OR US-6333294-\$.DID. OR US-6402989-\$.DID. OR US-4851109-\$.DID. OR US-5603824-\$.DID. OR US-6299759-\$.DID. OR US-6359018-\$.DID. OR US-6589415-\$.DID. OR US-6656342-\$.DID. OR US-6583186-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/15 17:53
S32	1	S31 and (Fischer-Tropsch or F-T) with (fractionat\$4 or distillat\$4 or separat\$4) with (middle or intermediate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/15 17:53
S33	1655	208/58,78,80.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/15 17:53
S34	19	S33 and (Fischer-Tropsch or F-T) with (fractionat\$4 or distillat\$4 or separat\$4) with (middle or intermediate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/15 17:56



## EAST Search History

S35	561	("1930716"   "2243760"   "2251554"   "2482866"   "2512608"   "2562980"   "2567259"   "2606862"   "2609382"   "2668790"   "2668866"   "2756183"   "2779713"   "2817693"   "2838444"   "2888501"   "2892003"   "2906688"   "2914464"   "2952626"   "2982802"   "2993938"   "3002827"   "3017345"   "3052622"   "3078323"   "3091586"   "3112256"   "3121696"   "3123573"   "3125511"   "3147210"   "3172836"   "3206525"   "3248316"   "3253055"   "3268436"   "3268439"   "3308052"   "3314878"   "3328290"   "3328292"   "3338843"   "3340180"   "3362378"   "3365390"   "3389965"   "3395981"   "3404086"   "3471399"   "3486993"   "3487005"   "3507776"   "3530061"   "3594307"   "3600299"   "3607729"   "3617498"   "3617525"   "3619408"   "3619412"   "3620960"   "3629096"   "3630885"   "3647678"   "3649523"   "3650945"   "3654133"   "3658611"   "3658689"   "3660058"   "3668112"   "3668113"   "3674681"   "3681232"   "3684695"   "3692695"   "3692697"   "3709817"   "3711399"   "3717586"   "3725302"   "3728249"   "3730876"   "3761388"   "3767562"   "3770618"   "3775291"   "3794580"   "3799887"   "3814682"   "3830723"   "3830728"   "3830731"   "3840508"   "3840614"   "3843509"   "3843746"   "3848018"   "3852186"   "3852207"   "3859202"   "3861005"   "3864425"   "3870622"   "3876522"   "3887455"   "3890113"   "3894938"   "3902991"   "3915843"   "3928178"   "3932552"   "3957625"   "3963601"   "3976560"   "3977961"   "3977962"   "3979279"   "3981793"   "4010008"   "4014821"   "4021330"   "4032304"   "4032474".PN. OR ("4034060"   "4041095"   "4042490"   "4049741"   "4051021"   "4059648"   "4067797"   "4073718"   "4075122"   "4087252"   "4087349"   "4088671"   "4092238"   "4094821"   "4125566"   "4139494"   "4162962"   "4173528"   "4173529"   "4186078"   "4211634"   "4211635"   "4212771"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/15 17:56
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## EAST Search History

S36	20	S35 and (Fischer-Tropsch or F-T) with (fractionat\$4 or distillat\$4 or separat\$4) with (middle or intermediate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/15 17:59
S37	21	S35 and (Fischer-Tropsch or F-T) with (fractionat\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/15 17:59
S38	2	S31 and (Fischer-Tropsch or F-T) with (fractionat\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/15 17:59
S39	46	("4125566"   "4919786"   "4943672"   "5059299").PN. OR ("5378348").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/16 14:29
S40	43	S39 and fischer-tropsch	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/16 14:29
S41	43	S40 and (fractionat\$4 or distillat\$4 or fraction\$2 or separat\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/16 14:30
S42	42	S40 and (fractionat\$4 or distillat\$4 or fraction\$2 or separat\$4) with Fischer-Tropsch	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/16 14:31
S43	37	S40 and (fractionat\$4 or fraction\$2 or separat\$4) with Fischer-Tropsch	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/16 14:34
S44	14	S40 and (fractionat\$4) with Fischer-Tropsch	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/16 14:31
S45	2	S40 and (fractionat\$4 or fraction\$2 or separat\$4) with Fischer-Tropsch with (heav\$4 and light\$4 and (middle or intermediate))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/16 14:36
S46	17	US-4615789-\$.DID. OR US-6017443-\$.DID. OR US-5378348-\$.DID. OR US-5645613-\$.DID. OR US-5689031-\$.DID. OR US-5766274-\$.DID. OR US-6043288-\$.DID. OR US-6296757-\$.DID. OR US-6333294-\$.DID. OR US-6402989-\$.DID. OR US-4851109-\$.DID. OR US-5603824-\$.DID. OR US-6299759-\$.DID. OR US-6359018-\$.DID. OR US-6589415-\$.DID. OR US-6656342-\$.DID. OR US-6583186-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 16:40

## EAST Search History

S48	0	S46 and (fractionat\$4 or fraction\$2 or separat\$4) with Fischer-Tropsch with (heav\$4 and light\$4 and (middle or intermediate))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/16 14:36
S49	1655	208/58,78,80.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 14:36
S50	9	S49 and (fractionat\$4 or fraction\$2 or separat\$4) with Fischer-Tropsch with (heav\$4 and light\$4 and (middle or intermediate))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/16 15:24
S51	10	S46 and (crude adj oil or shale adj oil or tar adj sand\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:26
S52	7	S46 and (crude adj oil or shale adj oil or tar adj sand\$1) and Fischer-Tropsch	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:32
S53	0	S46 and ultra-low adj severity	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:32

## EAST Search History

S54	561	("1930716"   "2243760"   "2251554"   "2482866"   "2512608"   "2562980"   "2567259"   "2606862"   "2609382"   "2668790"   "2668866"   "2756183"   "2779713"   "2817693"   "2838444"   "2888501"   "2892003"   "2906688"   "2914464"   "2952626"   "2982802"   "2993938"   "3002827"   "3017345"   "3052622"   "3078323"   "3091586"   "3112256"   "3121696"   "3123573"   "3125511"   "3147210"   "3172836"   "3206525"   "3248316"   "3253055"   "3268436"   "3268439"   "3308052"   "3314878"   "3328290"   "3328292"   "3338843"   "3340180"   "3362378"   "3365390"   "3389965"   "3395981"   "3404086"   "3471399"   "3486993"   "3487005"   "3507776"   "3530061"   "3594307"   "3600299"   "3607729"   "3617498"   "3617525"   "3619408"   "3619412"   "3620960"   "3629096"   "3630885"   "3647678"   "3649523"   "3650945"   "3654133"   "3658611"   "3658689"   "3660058"   "3668112"   "3668113"   "3674681"   "3681232"   "3684695"   "3692695"   "3692697"   "3709817"   "3711399"   "3717586"   "3725302"   "3728249"   "3730876"   "3761388"   "3767562"   "3770618"   "3775291"   "3794580"   "3799887"   "3814682"   "3830723"   "3830728"   "3830731"   "3840508"   "3840614"   "3843509"   "3843746"   "3848018"   "3852186"   "3852207"   "3859202"   "3861005"   "3864425"   "3870622"   "3876522"   "3887455"   "3890113"   "3894938"   "3902991"   "3915843"   "3928178"   "3932552"   "3957625"   "3963601"   "3976560"   "3977961"   "3977962"   "3979279"   "3981793"   "4010008"   "4014821"   "4021330"   "4032304"   "4032474") .PN. OR ("4034060"   "4041095"   "4042490"   "4049741"   "4051021"   "4059648"   "4067797"   "4073718"   "4075122"   "4087252"   "4087349"   "4088671"   "4092238"   "4094821"   "4125566" "4139494"   "4162962"   "4173528"   "4173529"   "4186078" "4211634"   "4211635"   "4212771"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/16 15:33
6/20/2006 12:00:34 PM C:\Documents and Settings\Douglas M\Documents\EAST\Workspaces\10802974.wsp						

## EAST Search History

S55	3	S54 and ultra-low adj severity with hydrotreat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:38
S56	22	("20020006374"   "20020009407"   "20020032244"   "20030040655"   "3702886"   "5431855"   "5500149"   "5628931"   "5654491"   "5888470"   "5925799"   "5980596"   "6043288"   "6072097"   "6143202"   "6147126"   "6156809"   "6402989"   "6409940"   "6512018"   "RE29948").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/16 15:38
S57	0	S56 and ultra-low adj severity with hydrotreat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/19 13:38
S58	0	S56 and severity with hydrotreat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:38
S59	0	S56 and low with hydrotreat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:38
S60	1	S56 and mild with hydrotreat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:38
S61	9	Fischer-Tropsch with ultra-low adj severity with hydrotreat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:40
S62	9	Fischer-Tropsch same ultra-low adj severity with hydrotreat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:39
S63	15	Fischer-Tropsch and ultra-low adj severity with hydrotreat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:39
S64	22	Fischer-Tropsch with mild with hydrotreat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:45
S65	2220	S46 asnd catalyst with gradient	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:45
S66	0	S46 and catalyst with gradient	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:47
S67	0	S46 and catalyst and gradient	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:46
S69	0	S46 and catalyst with acid\$4 with decreas\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:47

## EAST Search History

S70	0	S46 and catalyst and acid\$4 with decreas\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:47
S71	16	S54 and catalyst with gradient	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 15:47
S72	2	S46 and blend\$4 with middle with diesel	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 16:40
S73	15	ultra-low adj severity with hydrotreat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/19 13:44
S74	17	ultra-low adj severity with hydrotreat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 13:45
S75	59	low adj severity with hydrotreat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 13:46
S76	64	Fischer-Tropsch with (low or mild) with hydrotreat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 13:50
S77	0	Fischer-Tropsch with (low or mild) with hydrotreat\$4 with heteroatom\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 13:50
S78	17	Fischer-Tropsch with (low or mild) with hydrotreat\$4 and hydrotreat\$4 with heteroatom\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:11
S79	27	Fischer-Tropsch with saturat\$4 and hydrotreat\$4 with heteroatom\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:17
S80	1	Fischer-Tropsch with hydrocrack\$4 and catalyst with acid\$3 with gradient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:20

## EAST Search History

S81	1	Fischer-Tropsch with hydrocrack\$4 and catalyst with acid\$3 and acid\$4 with gradient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:20
S82	5	Fischer-Tropsch with hydrocrack\$4 and catalyst with acid\$3 and catalyst with gradient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:19
S83	1	Fischer-Tropsch with hydroconversion and catalyst with acid\$3 and catalyst with gradient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:19
S84	59	Fischer-Tropsch and catalyst with acid\$3 and catalyst with gradient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:19
S85	1	Fischer-Tropsch and catalyst with acid\$3 with gradient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:20
S86	2	Fischer-Tropsch and catalyst with acid\$3 and acid\$4 with gradient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:20
S87	1655	208/58,78,80.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/19 14:20
S88	1	S87 and catalyst with acid\$3 with gradient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:20
S89	547	208/58.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/19 14:20
S90	0	S89 and catalyst with acid\$3 with gradient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:21

## EAST Search History

S91	17	US-4615789-\$.DID. OR US-6017443-\$.DID. OR US-5378348-\$.DID. OR US-5645613-\$.DID. OR US-5689031-\$.DID. OR US-5766274-\$.DID. OR US-6043288-\$.DID. OR US-6296757-\$.DID. OR US-6333294-\$.DID. OR US-6402989-\$.DID. OR US-4851109-\$.DID. OR US-5603824-\$.DID. OR US-6299759-\$.DID. OR US-6359018-\$.DID. OR US-6589415-\$.DID. OR US-6656342-\$.DID. OR US-6583186-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/19 14:21
S92	0	S91 and catalyst with acid\$3 with gradient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:21



## EAST Search History

S93	561	("1930716"   "2243760"   "2251554"   "2482866"   "2512608"   "2562980"   "2567259"   "2606862"   "2609382"   "2668790"   "2668866"   "2756183"   "2779713"   "2817693"   "2838444"   "2888501"   "2892003"   "2906688"   "2914464"   "2952626"   "2982802"   "2993938"   "3002827"   "3017345"   "3052622"   "3078323"   "3091586"   "3112256"   "3121696"   "3123573"   "3125511"   "3147210"   "3172836"   "3206525"   "3248316"   "3253055"   "3268436"   "3268439"   "3308052"   "3314878"   "3328290"   "3328292"   "3338843"   "3340180"   "3362378"   "3365390"   "3389965"   "3395981"   "3404086"   "3471399"   "3486993"   "3487005"   "3507776"   "3530061"   "3594307"   "3600299"   "3607729"   "3617498"   "3617525"   "3619408"   "3619412"   "3620960"   "3629096"   "3630885"   "3647678"   "3649523"   "3650945"   "3654133"   "3658611"   "3658689"   "3660058"   "3668112"   "3668113"   "3674681"   "3681232"   "3684695"   "3692695"   "3692697"   "3709817"   "3711399"   "3717586"   "3725302"   "3728249"   "3730876"   "3761388"   "3767562"   "3770618"   "3775291"   "3794580"   "3799887"   "3814682"   "3830723"   "3830728"   "3830731"   "3840508"   "3840614"   "3843509"   "3843746"   "3848018"   "3852186"   "3852207"   "3859202"   "3861005"   "3864425"   "3870622"   "3876522"   "3887455"   "3890113"   "3894938"   "3902991"   "3915843"   "3928178"   "3932552"   "3957625"   "3963601"   "3976560"   "3977961"   "3977962"   "3979279"   "3981793"   "4010008"   "4014821"   "4021330"   "4032304"   "4032474") .PN. OR ("4034060"   "4041095"   "4042490"   "4049741"   "4051021"   "4059648"   "4067797"   "4073718"   "4075122"   "4087252"   "4087349"   "4088671"   "4092238"   "4094821"   "4125566"   "4139494"   "4162962"   "4173528"   "4173529"   "4186078"   "4211634"   "4211635"   "4212771"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/19 14:21
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## EAST Search History

S94	0	S93 and catalyst with acid\$3 with gradient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:21
S95	139	catalyst with acid\$3 with gradient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:24
S96	6	catalyst with gradient with acid\$3 with decreas\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:33
S97	0	etherifiaction with isomerization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:29
S98	374	etherification with isomerization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:29
S99	52	Fischer-Tropsch and catalyst with acid\$3 with decreas\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:35
S10 0	2	Fischer-Tropsch with catalyst with acid\$3 with decreas\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:34
S10 1	1	Fischer-Tropsch and gradient with acid\$3 with decreas\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:36

## EAST Search History

S10 2	17	US-4615789-\$.DID. OR US-6017443-\$.DID. OR US-5378348-\$.DID. OR US-5645613-\$.DID. OR US-5689031-\$.DID. OR US-5766274-\$.DID. OR US-6043288-\$.DID. OR US-6296757-\$.DID. OR US-6333294-\$.DID. OR US-6402989-\$.DID. OR US-4851109-\$.DID. OR US-5603824-\$.DID. OR US-6299759-\$.DID. OR US-6359018-\$.DID. OR US-6589415-\$.DID. OR US-6656342-\$.DID. OR US-6583186-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/19 16:54
S10 3	1	Fischer-Tropsch with fractionat\$4 with (middle adj distillat\$4 and intermediate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/19 16:56
S10 4	33	Fischer-Tropsch with fractionat\$4 and (middle adj distillat\$4 and intermediate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/19 16:56
S10 5	3	Fischer-Tropsch with fractionat\$4 and (middle adj distillat\$4 with intermediate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/19 16:56
S10 6	4	Fischer-Tropsch with fractionat\$4 with three	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/19 17:29
S10 7	9	Fischer-Tropsch with fractionat\$4 and fractionat\$4 with three	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/19 17:30